

Remarks

The substitute Table XXIV submitted herewith (Appendix A) replaces the prior Table XXIV that did not conform to 37 C.F.R. § 1.121, and thereby replaces the amendments to Table XXIV submitted on April 2, 2001, September 1, 2006 and December 22, 2006. Applicants have amended Table XXIV to insert SEQ ID NOs, to remove the "Notes" column, and to correct typographical errors introduced into Table XXIV in the Response filed September 1, 2006, including a typographical error in SEQ ID NO: 3571. With regard to SEQ ID NO: 3571, Applicants note that the typographical error inadvertently introduced was at the C-terminus of the peptide sequence. The corrected SEQ ID NO: 3571 is identical to the corresponding sequence as originally filed. These changes are believed to introduce no new matter, and their entry is respectfully requested.

Applicants thank the Examiner for the teleconference of April 17, 2007, clarifying the changes required for the Reply to the Notice of Non-Compliant Amendment, filed herewith, and indicating that the above-listed changes are sufficient for substantive examination to be resumed in the captioned application.

Applicants now believe that the all of the stated grounds of objection and rejection have been properly traversed, accommodated, or rendered moot. Applicants therefore respectfully request that the Examiner reconsider all presently outstanding objections and rejections and that they be withdrawn. Applicants believe that a full and complete reply has been made to the outstanding Office Action and, as such, the present application is in condition for allowance. If the Examiner believes, for any reason, that

personal communication will expedite prosecution of this application, the Examiner is invited to telephone the undersigned at the number provided.

Prompt and favorable consideration of this Amendment is respectfully requested..

Respectfully submitted,

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APPENDIX A

Sette et al.

Appl. No. 09/350,401

Atty Docket No. 2473.0060008/PAJ/M-M

Table XXIV. MHC-peptide binding assays: cell lines and radiolabeled ligands.

A. Class I binding assays

Species	Antigen	Allele	Cell line	Source	Radiolabeled peptide	IC ₅₀ nM	SEQ ID NO:	Notes
Human	A1	A*0101	Steinlin	Hu J chain 102-110	YTAVVPLVY		3539	no-NEN-in-PI-coektail
	A2	A*0201	JY	HBVc 18-27 F6->Y	FLPSDYFPPSV		3540	no-NEN-in-PI-coektail
	A2	A*0202	P815 (transfected)	HBVc 18-27 F6->Y	FLPSDYFPPSV		3540	no-NEN-in-PI-coektail
	A2	A*0203	FUN	HBVc 18-27 F6->Y	FLPSDYFPPSV		3540	no-NEN-in-PI-coektail
	A2	A*0206	CLA	HBVc 18-27 F6->Y	FLPSDYFPPSV		3540	no-NEN-in-PI-coektail
	A2	A*0207	721.221 (transfected)	HBVc 18-27 F6->Y	FLPSDYFPPSV		3540	no-NEN-in-PI-coektail
	A3		GM3107	non-natural (A3CON1)	KVFPYALINK		3541	no-NEN-in-PI-coektail
	A11		BVR	non-natural (A3CON1)	KVFPYALINK		3541	no-NEN-in-PI-coektail
	A24	A*2402	KAS116	non-natural (A24CON1)	AYIDNINKF		3542	no-NEN-in-PI-coektail
	A31	A*3101	SPACH	non-natural (A3CON1)	KVFPYALINK		3541	no-NEN-in-PI-coektail
	A33	A*3301	LWAGS	non-natural (A3CON1)	KVFPYALINK		3541	no-NEN-in-PI-coektail
	A28/68	A*6801	C1R	HBVc 141-151 T7->Y	STLPETVVR		3543	no-NEN-in-PI-coektail
	A28/68	A*6802	AMAI	HBV pol 646-654 C4->A	FTQAGYPAL		3544	no-NEN-in-PI-coektail
	B7	B*0702	GM3107	A2 sigal seq. 5-13 (L7->Y)	APRTLVYLL		3545	no-NEN-in-PI-coektail
	B8	B*0801	Steinlin	HIV gp 586-593 Y1->F, Q5->Y	FLKDYQLL		3546	no-NEN-in-PI-coektail
	B27	B*2705	LG2	R 60s	FRYMLIHR		3547	no-NEN-in-PI-coektail
	B35	B*3501	C1R, BVR	non-natural (B35CON2)	FPFKYAAF		3548	no-NEN-in-PI-coektail
	B35	B*3502	TISI	non-natural (B35CON2)	FPFKYAAF		3548	no-NEN-in-PI-coektail
	B35	B*3503	EHM	non-natural (B35CON2)	FPFKYAAF		3548	no-NEN-in-PI-coektail
	B44	B*4403	PITOUT	EF-1 G6->Y	AEMGKYSFY		3549	no-NEN-in-PI-coektail
	B51		KAS116	non-natural (B35CON2)	FPFKYAAF		3550	no-NEN-in-PI-coektail
	B53	B*5301	AMAI	non-natural (B35CON2)	FPFKYAAF		3550	no-NEN-in-PI-coektail
	B54	B*5401	KT3	non-natural (B35CON2)	FPFKYAAF		3550	no-NEN-in-PI-coektail
	Cw4	Cw*0401	C1R	non-natural (C4CON1)	QYDDAVYKL		3551	no-NEN-in-PI-coektail
	Cw6	Cw*0602	721.221 transfected	non-natural (C6CON1)	YRHDGQNL		3552	no-NEN-in-PI-coektail
	Cw7	Cw*0702	721.221 transfected	non-natural (C6CON1)	YRHDGQNL		3552	no-NEN-in-PI-coektail
Mouse	D ^b		EL4	Adenovirus E1A P7->Y	SGPSNTYPEI		3553	no-NEN-in-PI-coektail
	K ^b		EL4	VSV NP 52-59	RGYVFGGL		3554	no-NEN-in-PI-coektail
	D ^d		P815	HIV-III ENV G4->Y	RGPTAFVTI		3555	no-NEN-in-PI-coektail
	K ^d		P815	non-natural (KdCON1)	KFNPMKTYI		3556	no-NEN-in-PI-coektail
	L ^d		P815	HBVs 28-39	IPQSLDSYWTSL		3557	no-NEN-in-PI-coektail

B. Class II binding assays

Species	Antigen	Allele	Cell line	Radiolabeled peptide		SEQ ID NO:	Notes
				Source	Sequence		
Human	DR1	DRB1*0101	LG2	HA Y307-319	YPKYVKQNTLKLAT	3558	optimal assay pH is 4.5
	DR2	DRB1*1501	L466.1	MBP 88-102Y	VVHFFKNIVTPRTPPY	3559	
	DR2	DRB1*1601	L242.5	non-natural (760.16)	YAAFAAAKTAATAFA	3560	
	DR3	DRB1*0301	MAT	MT 65kD Y3-13	YKTIADFDEARR	3561	
	DR4w4	DRB1*0401	Preiss	non-natural (717.01)	YARFQSQTTLKQKT	3562	
	DR4w10	DRB1*0402	YAR	non-natural (717.10)	YARFQRQTTLKAAA	3563	
	DR4w14	DRB1*0404	BIN 40	non-natural (717.01)	YARFQSQTTLKQKT	3562	
	DR4w15	DRB1*0405	KT3	non-natural (717.01)	YARFQSQTTLKQKT	3562	
	DR7	DRB1*0701	Pitout	Tet. tox. 830-843	QYIKANSKFIGITE	3564	
	DR8	DRB1*0802	OLL	Tet. tox. 830-843	QYIKANSKFIGITE	3564	
	DR8	DRB1*0803	LUY	Tet. tox. 830-843	QYIKANSKFIGITE	3564	
	DR9	DRB1*0901	HID	Tet. tox. 830-843	QYIKANSKFIGITE	3564	no NEM in PI mix
	DR11	DRB1*1101	Sweig	Tet. tox. 830-843	QYIKANSKFIGITE	3564	
	DR12	DRB1*1201	Herluf	unknown eluted peptide	EALIHQLKINPYVLS	3565	
	DR13	DRB1*1302	H0301	Tet. tox. 830-843 S->A	QYIKANAKFIGITE	3566	
	DR51	DRB5*0101	GM3107 or L416.3	Tet. tox. 830-843	QYIKANAKFIGITE	3566	
	DR51	DRB5*0201	L255.1	HA 307-319	PKYVKQNTLKLAT	3567	
	DR52	DRB3*0101	MAT	Tet. tox. 830-843	NGQIGNDPRDIL	3568	
	DR53	DRB4*0101	L257.6	non-natural (717.01)	YARFQSQTTLKQKT	3569	
	DQ3.1	QA1*0301/DQB1*0301	PF	non-natural (ROIV)	AHAAHAAHAAHAAHAA	3570	
Mouse	IA ^b		DB27.4	non-natural (ROIV)	AHAAHAAHAAHAAHAA	3570	optimal assay pH is 5.5
	IA ^d		A20	non-natural (ROIV)	AHAAHAAHAAHAAHAA	3570	optimal assay pH is 5.1
	IA ^k		CH-12	HEL 46-61	YNTDGSSTDY GILQINSR	3571	
	IA ^s		LS102.9	non-natural (ROIV)	AHAAHAAHAAHAAHAA	3570	
	IA ^u		91.7	non-natural (ROIV)	AHAAHAAHAAHAAHAA	3570	optimal assay pH is 5.5
	IE ^d		A20	Lambda repressor 12-26	YLEDARRKKAIYEKKK	3572	
	IE ^k		CH-12	Lambda repressor 12-26	YLEDARRKKAIYEKKK	3572	